
GAPDH Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250504

Unit: 0.1 mg

Description:

Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) is well known as one of the key enzymes in glycolysis. GAPDH catalyzes an important energy-yielding step in carbohydrate metabolism, the reversible oxidative phosphorylation of glyceraldehyde-3-phosphate in presence of inorganic phosphate and nicotinamide adenine dinucleotide (NAD). GAPDH is also involved in a number of cellular processes such as membrane fusion, phosphotransferase activity, DNA replication and repair, and nuclear RNA export. GAPDH is constitutively expressed at high level in almost all tissue and cell lines making an ideal positive control marker in immunotechniques. This antibody works best for ELISA and immunohistochemistry.

Isotype: Rabbit Ig

Applications: E, IHC

Species Reactivity: H, Mk, M, Other, R

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Glyceraldehyde-3-phosphate dehydrogenase; GAPDH; GAPD

Accession No.: P04406

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human GAPDH.

Application Notes: E: 1:500-1:1,000; IHC: 1:200-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

Product Citations: [1] Shin D et al. 2011. Journal of Cellular Physiology. 226(5):1340-1352. PMID# 20945346 [2] Lin C et al. 2009. Developmental Biology. 331(2):152-166. PMID# 19049884

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